

- wherein n is an integer of 4 to 20, and each R₁ is independently a substituted or unsubstituted alkenyloxy group of C₂-C₂₀ with an unsaturated bond end, a carboxyalkylsulfanyloxy group with a substituted or unsubstituted alkyl moiety of C₂-C₂₀, a carboxyalkyloxy group with a substituted or unsubstituted alkyl moiety of C₂-C₈, an aminoalkyloxy group with a substituted or unsubstituted alkyl moiety of C₁-C₈, a hydroxyalkyloxy group with a substituted or unsubstituted alkyl moiety of C₁-C₈, or an epoxyalkyloxy group with a substituted or unsubstituted alkyl moiety of C₂-C₈.

consisting of a Merrifield polymer, a hydrophobic polyaromatic polymer, and an acrylic ester polymer.

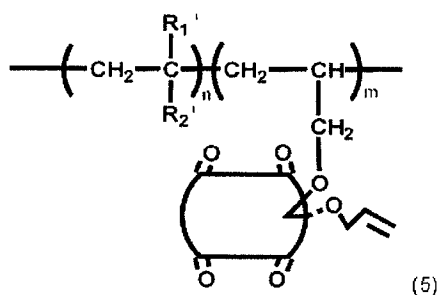
4. (Original) The polymer of claim 1, wherein the particle-type polymer has an average particle size of 5-300 μm .

5. (Original) The polymer of claim 1, wherein the covalent bond is an ether bond, a sulfanyl bond, an amino bond, an ester bond, an amide bond, a thioamide bond, or a urea bond.

6-8. (Canceled)

9. (Original) A polymer in which the cucurbituril derivative of Formula 1 of claim 1 is copolymerized with a monomer with a substituted or unsubstituted alkenyl group of $\text{C}_3\text{-C}_{20}$.

10. (Currently amended) The polymer of claim 9, which is a compound of Formula 5 below:



wherein n is an integer of 100-10,000, m is an integer of 10-5,000, $[[R_1]]$ R_1' and $[[R_2]]$ R_2' are each independently a substituted or unsubstituted aryl group of $\text{C}_6\text{-C}_{30}$, a carboxyl group, a substituted or unsubstituted heterocycle group of $\text{C}_4\text{-C}_{30}$, a substituted or unsubstituted alkyl group of $\text{C}_1\text{-C}_{20}$, a halogen atom, a cyano group, an amino group, a substituted or unsubstituted aminoalkyl

group of C₁-C₁₀, a hydroxyl group, a substituted or unsubstituted hydroxyalkyl group of C₁-C₁₀, a substituted or unsubstituted alkenyl group of C₃-C₁₀, or hydrogen.

11. (Original) The polymer of claim 10, wherein the cucurbituril derivative of Formula 1 of claim 1 where R₁ is an allyloxy group is copolymerized with the monomer with a substituted or unsubstituted alkenyl group of C₃-C₂₀.

12-23. (Canceled).